

DERWENT-ACC-NO: 2002-439119

DERWENT-WEEK: 200247

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TITLE: Intermediate material for use in fertilizer contains fermented, dried mixture of organic waste and rice bran of starch seeds containing aleuron layer cell and endosperm sub layer

PATENT-ASSIGNEE: TOYO SEIMAIKI SEISAKUSHO KK[TOSEN]

PRIORITY-DATA: 2000JP-0251784 (August 23, 2000)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|-----------------|---------------|----------|-------|-------------|
| JP 2002068879 A | March 8, 2002 | N/A | 005 | C05G 003/00 |

APPLICATION-DATA:

| PUB-NO | APPL-DESCRIPTOR | APPL-NO | APPL-DATE |
|---------------|-----------------|----------------|-----------------|
| JP2002068879A | N/A | 2000JP-0251784 | August 23, 2000 |

INT-CL (IPC): B09B003/00, C05F017/00, C05G003/00, C09K017/32, C09K101:00

ABSTRACTED-PUB-NO: JP2002068879A

BASIC-ABSTRACT:

NOVELTY - Intermediate fermented material (IFM) for fertilizer comprising fermented, dried mixture of organic waste and rice bran of starch seeds containing aleuron layer cell and endosperm sub layer, is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for:

- (1) IFM manufacture;
- (2) organic fertilizer obtained from IFM;
- (3) soil conditioner containing IFM; and
- (4) soil improvement.

USE - The IFM is useful in fertilizer and soil conditioner for soil improvement (claimed).

ADVANTAGE - Fermentation of organic waste is promoted by using rice bran, without the need for fermentation agents such as microorganisms. The organic waste is fermented quickly. Corrosion of soil can be prevented by using fermented organic waste as fertilizer, soil conditioner and mulch material. The dried (moisture content reduced) IFM controls the propagation of microbes such as fungi. IFM can be easily produced in large quantities from the abundantly available organic waste. The dried material weighs less and is economically easy to store and transport.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: INTERMEDIATE MATERIAL FERTILISER CONTAIN FERMENTATION DRY MIXTURE
ORGANIC WASTE RICE BRAN STARCH SEED CONTAIN LAYER CELL ENDOSPERM
SUB LAYER

DERWENT-CLASS: C04 D16 P43

CPI-CODES: C04-A10G; C04-D03; C14-T; C14-T01; D05-A03; D05-A04A;

CHEMICAL-CODES:

Chemical Indexing M1 *01*

Fragmentation Code

M423 M710 M720 M905 N134 N137 P002 P113 P126 Q233

Specific Compounds

A00GTN A00GTP

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C2002-125142

Non-CPI Secondary Accession Numbers: N2002-345697